

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44*bis*)

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| Applicant's or agent's file reference FPEL05150063 | FOR FURTHER ACTION | See item 4 below |
| International application No. PCT/CN2005/002133 | International filing date (<i>day/month/year</i>) 08 December 2005 (08.12.2005) | Priority date (<i>day/month/year</i>) |
| International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237 | | |
| Applicant INTEL CORPORATION | | |

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|-------------------------------------|--|---|-----------|---------------------|--------------------------|------------|----------|--------------------------|-------------|--|--------------------------|------------|----------------------------|-------------------------------------|-----------|---|--------------------------|------------|-------------------------|--------------------------|-------------|--|--------------------------|--------------|---|
| 1. | This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 <i>bis</i> .1(a). | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | <p>This report contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> | <input checked="" type="checkbox"/> | Box No. I | Basis of the report | <input type="checkbox"/> | Box No. II | Priority | <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | <input type="checkbox"/> | Box No. IV | Lack of unity of invention | <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | <input type="checkbox"/> | Box No. VI | Certain documents cited | <input type="checkbox"/> | Box No. VII | Certain defects in the international application | <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. II | Priority | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. VI | Certain documents cited | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | The International Bureau will communicate this report to designated Offices in accordance with Rules 44 <i>bis</i> .3(c) and 93 <i>bis</i> .1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44 <i>bis</i> .2). | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|--|--------------------|--|-------------|---------------------------|--|
| The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Date of issuance of this report 11 June 2008 (11.06.2008)</td> <td style="width: 50%;">Authorized officer</td> </tr> <tr> <td></td> <td style="text-align: center; vertical-align: middle;">Ellen Moyse</td> </tr> <tr> <td colspan="2">e-mail: pt02.pct@wipo.int</td> </tr> </table> | Date of issuance of this report 11 June 2008 (11.06.2008) | Authorized officer | | Ellen Moyse | e-mail: pt02.pct@wipo.int | |
| Date of issuance of this report 11 June 2008 (11.06.2008) | Authorized officer | | | | | | |
| | Ellen Moyse | | | | | | |
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PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 20 JUN 2006

WIPO

PCT

PCT

To:

100011

22/F, Great Eagle Centre, 23 Harbour
Road, Wanchai, HONG KONG, P.R. China
CHINA PATENT AGENT(H.K.)LTD

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43 *bis*.1)

Date of mailing

15 JUN 2006 (15.06.2006)

Applicant's or agent's file reference

FPEL05150063

FOR FURTHER ACTION

see paragraph 2 below

International application No.

PCT/CN2005/002133

International filing date (day/month/year)

08.Dec 2005(08.12.2005)

Priority date (day/month/year)

International Patent Classification (IPC) or both national classification and IPC

G06F13/00(2006.01)i

Applicant

INTEL CORPORATION et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

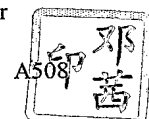
3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN
The State Intellectual Property Office, the
P.R.China 6 Xitucheng Rd., Jimen Bridge,
Haidian District, Beijing, China 100088
Facsimile No. 86-10-62019451

Date of completion of this opinion

23.May 2006(23.05.2006)

Authorized officer



Telephone No. 86-10-62084944

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/CN2005/002133

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of:

 - ☒ the international application in the language in which it was filed
 - ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of :

 - a. type of material
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material
 - ☐ on paper
 - ☐ in electronic form
 - c. time of filing/furnishing
 - ☐ contained in the international application as filed
 - ☐ filed together with the international application in electronic form
 - ☐ furnished subsequently to this Authority for the purposes of search
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/CN2005/002133

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

| | | | |
|-------------------------------|--------|------|-----|
| Novelty (N) | Claims | 2-30 | YES |
| | Claims | 1 | NO |
| Inventive step (IS) | Claims | 2-30 | YES |
| | Claims | 1 | NO |
| Industrial applicability (IA) | Claims | 1-30 | YES |
| | Claims | none | NO |

2. Citations and explanations

(1)The documents cited in the search report have been taken into consideration here:

D1: US2005100051A1

D2: CN1602616A

D3: CN1357189A

D4: CN1408189A

D5: US2003005122A1

(2)D1 discloses an apparatus and method for compressing a header of a packet, and discloses the following technical features(reference to claim 1): the socket option setting unit setting the socket option, and transmitting a packet, the packet including a set socket option indicating whether a header of the the packet is to be compressed or not according to the setting of the socket option ;a compression processing unit detecting said set socket option and compressing the header of the packet when said set socket option indicates that the header of the packet is to be compressed. Therefore, D1 has disclosed all of the technical features in the claim 1,claims 1 does not comply with Art 33(2).

D2 discloses an encoder (106) which compresses a multilayer header information contained in a protocol data unit on a multilayer protocol stack (101). A session context identification (ID) manager (112) integrates the compressed information, and generates session context ID for identifying the method of compressing the multilayer header information. USE - Header compression/decompression device.

D3 relates to determine the difference between the current header field value and corresponding header field value associated with previous packet that precedes the current packet in a sequence. The difference is provided to the compressed header portion information and transmitted across communication channel. USE - Used in packet communication.

D4 discloses technical scheme as follows: a connection between a first and second network nodes is changed to a connection between the second network node and a third network node. The context information stored by the first node is transferred to the third network node which is stored by the third node as the context information of the third node. The stored context information at the second and third nodes is used for compression and decompression of the headers of the packets at the second and third nodes. USE - For relocation of header compression/decompression functions between a number of network entities and mobile terminals.

D5 discloses technical scheme as follows: the application header in the captured data packet is detected and parsed to acquire application tag such as URI, cookie, HTTP version, request method, tag. The presence of match is determined after matching acquired application tag with a matching rule, to perform service differentiation action.

The technical schemes in claims 2-30 are not disclosed by D1,D2, D3, D4 or D5 ,and further the technical solutions claimed are not obvious to a person skilled on the basis of D1,D2,D3,D4,D5 or their combination. Thus, claims 2-30 have novelty under PCT Article 33(2), and have inventive step under PCT Article 33(3).

(3)Claims 1-30 have industrial applicability under PCT Article 33(4), because the technical scheme claimed can be made or used in the industry.